

**CITY OF RIVERSIDE**

5020

12/19/05

**HUMAN RESOURCES DEPARTMENT**

Revised

**CLASSIFICATION SPECIFICATION**

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**TITLE: UTILITIES SUBSTATION ELECTRICIAN****DEFINITION**

Under general supervision, to perform skilled electrical work in the installation, testing, maintenance and repair of substation equipment; and to do related work as required.

**REPORTS TO:** Utilities Substation Construction/Maintenance Supervisor

**SUPERVISION RECEIVED AND EXERCISED**

Receives general supervision from Utilities Substation Construction/Maintenance Supervisor. Exercises supervision over Utilities Electrical Apprentices, General Service Workers and other classifications as assigned.

**EXAMPLES OF DUTIES**

Typical duties may include, but are not limited to, the following:

- Perform skilled electrical work in the installation, testing, maintenance and repair of substation equipment including air, vacuum and oil circuit breakers, supervisory equipment, transformers, load tap changers, batteries, and associated substation equipment.
- Maintain and repair pilot wire cable, and make aerial splices as required.
- Install and repair disconnects on substation structures.
- Pull and terminate control and power cable and wiring in substation equipment.
- Perform manual switching as required.
- Assist in maintaining records on substation equipment.

**QUALIFICATIONS****Knowledge of:**

- Approved methods, materials and tools used in substation construction, maintenance and repair work.
- Principles of electrical theory as applied to electrical circuits and wiring systems and ability to apply this knowledge to work problems.
- Occupational hazards and standards safety precautions necessary in the work.

**Ability to:**

- Understand and carry out complex oral and written instructions.
- Perceive colors accurately.
- Perform heavy manual tasks and work under adverse weather conditions.

- Use and care for tools and testing equipment.
- Work overtime as required.

**Education and Experience:**

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to the completion of the twelfth grade. Completion of a three year electrical apprenticeship program or equivalent.

Experience: Two years as a journey level substation electrician or related title and completion of a recognized apprenticeship or five years experience as a utilities substation electrician.

**MEDICAL CATEGORY:** Group 2

**NECESSARY SPECIAL REQUIREMENT**

Possession of or ability to obtain an appropriate, valid Class "A" Commercial California motor vehicle operators license with tanker, air brake, haz-mat and standard transmission endorsements.

**CAREER ADVANCEMENT OPPORTUNITIES**

**FROM:** Utilities Substation Electrician

**TO:** Utilities Substation Construction/Maintenance Supervisor